

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING INTERSECTION CONTROL BEACON TO A FULL TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 2 (SOLOMONS ISLAND ROAD) AND MD 778 (OLD SOLOMONS ISLAND ROAD)/GROVERS TURN ROAD IN CALVERT COUNTY, MARYLAND. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 2 APPROACHES OPERATING CONCURRENTLY AND THE MD 778/GROVERS TURN ROAD APPROACHES OPERATING CONCURRENTLY.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. ONE (1) FOUR CHANNEL, TIME-DELAY-OUTLOOP DETECTOR AMPLIFIER SHALL BE INSTALLED.

PHONE DROP

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-01 (SHOULDER WORK)

STANDARD NO. MD-104.02-13 (FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

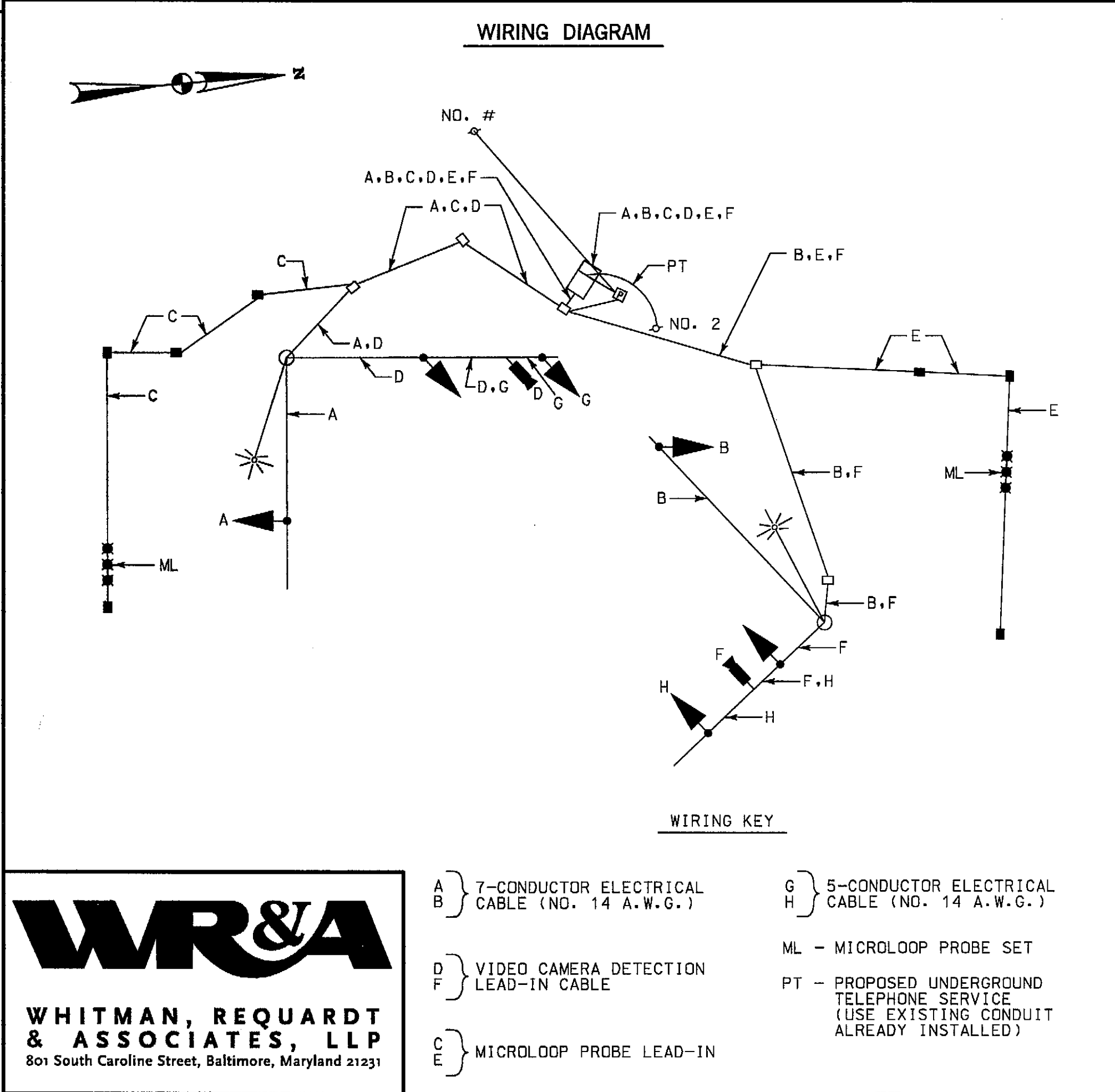
MS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. ROBERT SYNDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. MIKE HUBER
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039



EQUIPMENT LIST "A"

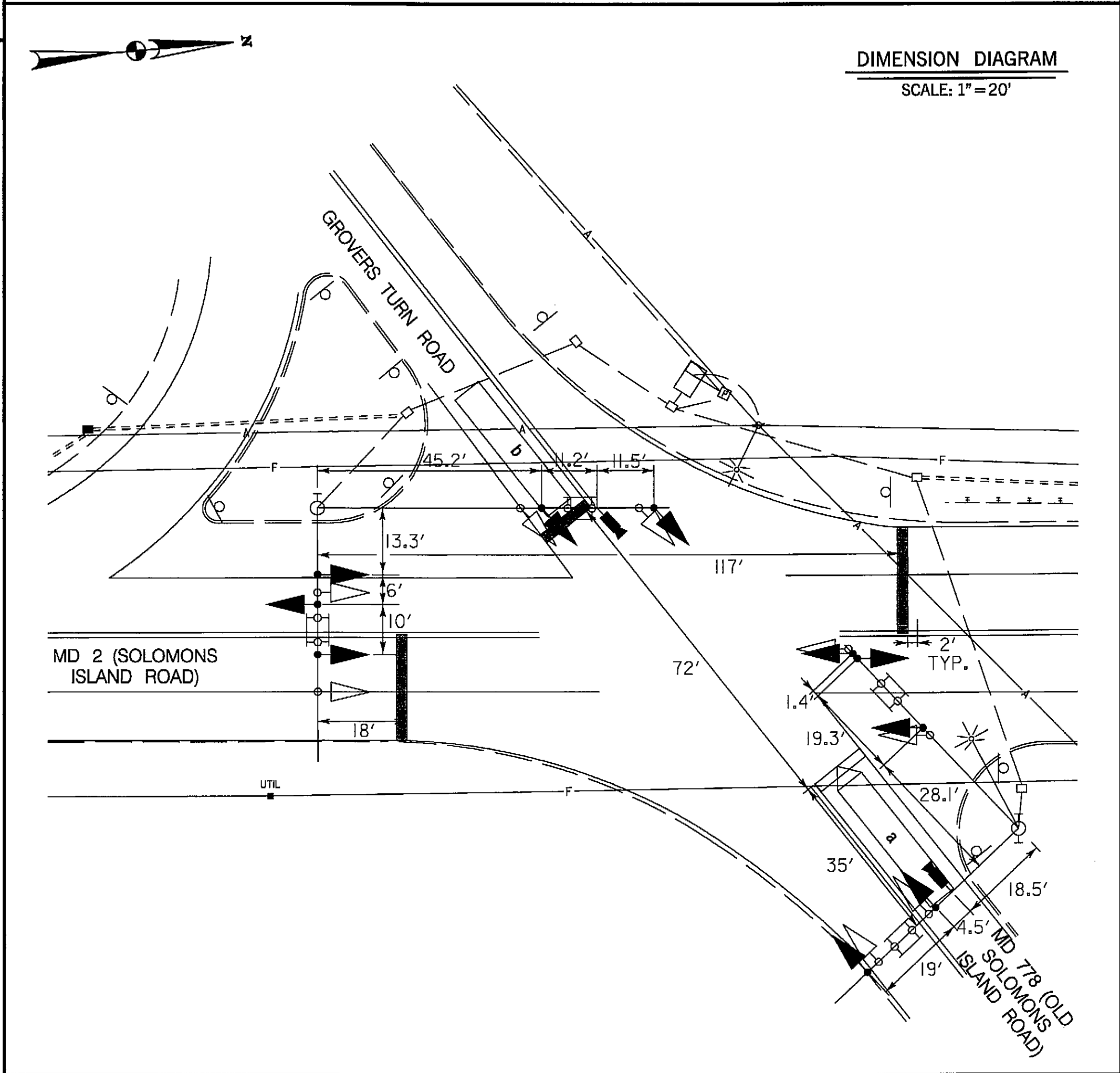
ITEM NO.	QUANTITY	DESCRIPTION
9016	1 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9086	1 EACH	VIDEO INTERFACE EQUIPMENT: 1-8 CAMERAS
9571	88 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
	2 EACH	D-3(2) SIGN (VARIABLE x 32 IN.) - GROUND MOUNT
	2 EACH	W3-3 SIGN (48 IN. x 48 IN.) WITH "NEW" PANEL (24 IN. x 24 IN.) AND FLAG - GROUND MOUNT
	2 EACH	W3-3 SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL (24 IN. x 24 IN.) AND FLAG - GROUND MOUNT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 + 8	R	R	R	R	R	R	G	G	G	G
4 + 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR



EQUIPMENT LIST "B"

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
5005	70 L.F.	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5007	117 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
6002	25 S.F.	5 INCH CONCRETE SIDEWALK
8020	2 EACH	NONINVASIVE DETECTOR (ANY LENGTH) LEAD IN CABLE UP TO 1000 FT
8021	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN
8025	2 EACH	VIDEO DETECTION CAMERA & CABLE UP TO 500 FT
8033	160 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8035	755 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8036	126 L.F.	WOOD SIGN SUPPORTS 4 IN. X 6 IN.
8038	88 S.F.	INSTALL GROUND MOUNTED SIGN
8046	7 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	30 EACH	12 INCH LED SIGNAL HEAD SECTION
8056	50 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8057	830 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 @ MD 778 (OLD SOLOMONS ISLAND ROAD)
GROVERS TURN ROAD

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 03/26/2010 CONTRACT NO. XX3475185

DESIGNED BY L.WAESCHE COUNTY CALVERT
DRAWN BY L.WAESCHE LOGMILE 04002031.39
CHECKED BY N.LEARY TMS NO. K147
F.A.P. NO. TOD NO.

TS NO. 4480 DRAWING TSP-2 OF 2 SHEET NO. 2 OF 2